



# AG-Series Grain Stain

## Exterior Transparent Oil Deck Stain

### Product Data Sheet

#### PRODUCT DESCRIPTION

Grain Stain Deck Stain is a premium quality, penetrating exterior transparent oil stain, designed to provide superior color retention and outstanding clarity while protecting and enhancing the natural beauty of the wood through **Trans-Oxide Pigment** technology. Grain Stain Deck Stain penetrates deep into the wood, allowing the natural wood texture to show through, while the tough scuff-resistant finish resists wear from foot traffic. Grain Stain Deck Stain protects wood with its water-repellent properties, which cause water to bead up instead of penetrating the surface.

#### TYPICAL USES

Formulated for use on new or bare, rough and smooth exterior wood surfaces. Ideal for use on decks, fencing, wood patios, outdoor furniture, siding, shakes and trim.

#### BASES & COLORS

AG-5341 Natural Tone Redwood  
AG-8343 Natural Tone Cedar  
AG-8345 Colorado Cedar

#### PHYSICAL PROPERTIES (AG-8343)

Resin Type	Modified Alkyd
Clean-up Solvent	Mineral Spirits
Finish	Not Applicable
Solids by Weight	35 %
Solids by Volume	29 %

Recommended Dry Film Thickness per Coat	Not Applicable
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Theoretical Coverage @ 1 mil	561 ft <sup>2</sup> /gallon
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Practical Coverage at Recommended DFT <sup>1</sup>	150 – 300 ft <sup>2</sup> /gallon
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<u>Dry Times</u> <sup>2</sup> @ 70° F (21° C) and 50% R.H.	24 – 36 hours
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VOC's	550 grams/liter
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1 Spread rates are estimates based on products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

2 Dry times may vary depending upon temperature, humidity and degree of air movement.

#### SPECIFICATIONS

##### Exterior Wood

Self Priming  
2 cts Grain Stain Transparent Oil Deck Stain

May be used as a one (1) or two (2) coat system. Two (2) coats are recommended (applied wet on wet) for optimum performance and color uniformity.

This product meets or exceeds Master Painters Institute (MPI) # 33 approval standard.

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

## **SURFACE PREPARATION**

Grain Stain Transparent Oil Deck Stain is a penetrating product and is intended to be applied to wood surfaces that are structurally sound, dry, clean, and free of all dirt, oil, dust, wax, and any other contamination what would interfere with new coating adhesion, including previous paint or varnish films. **The wood grain must be porous and open to allow for penetration of the stain.**

### **New Wood**

For best results, *smooth* wood, such as redwood and cedar, should be allowed to weather sufficiently for the wood grain to open up (approximately 6 months) prior to application of this product. Apply to *rough sawn* wood as soon as possible after installation. Remove mill stamps, pencil marks and other surface imperfections by sanding; remove sanding dust prior to coating.

### **Previously Stained Wood Surfaces**

- *Do not apply Grain Stain Transparent Deck Stain to previously painted or varnished wood.* Remove previous film-type finishes by sanding, scraping or chemical removers. Power washing is recommended to remove deteriorated wood fibers and clean the surface. Power wash using a minimum 2400-psi, 3 g.p.m. to remove contamination. Use of a degreaser is recommended for surfaces contaminated with oil and or grease.
- Excessively gray, weathered wood siding should be cleaned with a restorative wood cleaner. Rinse completely and allow to dry before coating is applied.

### **Mildew**

Remove by using a solution of one (1) part household bleach to three (3) parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes then rinse completely and allow to dry before coating is applied. Do not add detergents or ammonia to the bleach/water solution.

## **APPLICATION**

- Stir product prior to application. Intermix all containers to ensure color uniformity of all product.
- Equipment must be clean prior to starting. Flush airless lines with mineral spirits.
- Apply by brush, roller or sprayer. A good quality synthetic brush will make application easier. Select a roller cover suited for the texture of the surface to be coated.
- Only airless sprayers are recommended for spray application. Tip sizes of .009 - .013 are recommended. Back brush to insure penetration of the stain.
- Apply the product in full even coats and maintain a wet edge. Apply enough material to saturate without puddling. Do not allow excess material to dry on the surface.
- Two coats are recommended for best results. **The second coat of Deck Stain must be applied "wet on wet"**. Apply the second coat as soon as the first coat has soaked into the surface.
- The final color will be dependent on the wood species, grain, texture, and amount of stain absorbed and method of application. A test area is recommended to preview the end result.
- Do not thin

## **ENVIRONMENTAL VARIABLES**

Minimum surface and air temperature required for application is 45° F (7° C) and at least 5° F (3° C) above the dew point. While this product is not subject to freezing, temperature, humidity and air movement will affect drying. Cold temperatures will greatly increase the dry time. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

## **CLEAN-UP**

Clean up spills immediately with mineral spirits. Clean tools immediately after use with mineral spirits or turpentine. To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use in a water-filled, closed metal container. Clean hands immediately with an appropriate hand cleaner. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

## **CAUTIONS**

For exterior use only  
Do not apply below 45° F  
Do not take internally  
Use with adequate ventilation  
**KEEP OUT OF REACH OF CHILDREN**

**\*WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the national Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product.